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Application Number	09/837,701
Filing Date	April 17, 2001
First Named Inventor:	Xiaodong Li
Group Art Unit	2681 <i>2684</i>
Examiner Name	Unassigned <i>Conlee</i>
Attorney Docket Number	005158.P007X

Sheet 2 of 2

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
RZ	Y	GRUENHEID, R. et al: "Adaptive Modulation and Multiple Access for the OFDM Transmission Technique", Wireless Personal Communications, Kluwer Academic Publishers, NL, Vol. 13, NR. 1/2, Year 2000, pages 5-13 XP000894156, ISSN: 0929-6212. NO MONTH LISTED	
	Z	MOTEGI, M. et al.: "Optimum Band Allocation According to Subband Condition for BST-OFDM" 11 th IEEE International Symposium on Personal Indoor and Mobile Radio Communications, vol. 2, 18-21 September 2000, pages 1236-1240, XP002213669, Piscataway, NJ, USA, ISBN: 0-7803-6463-5.	
	AA	KAPOOR, S. et al.: "Adaptive Interference Suppression in Multiuser Wireless OFDM Systems Using Antenna Arrays" IEEE Transactions on Signal Processing, vol. 47, no. 12, December 1999, pages 3381-3391, XP000935422, IEEE, New York, USA, ISSN: 1053-587X.	
	BB	YE LI, et al.: "Clustered OFDM with channel estimation for high rate wireless data", Mobile Multimedia Communications, 1999. (MOMUC '99). 1999 IEEE International Workshop on San Diego, CA, USA, IEEE, US, 15 November 1999, pages 43-50, XP010370695, ISBN: 0-7803-5904-6.	
	CC	NOGUEROLES, R. et al.: "Improved Performance of a Random OFDMA Mobile Communication System" Vehicular Technology Conference, 1998. VTC 98. 48 th IEEE Ottawa, Ontario, Canada, 18-21 May 1998, (1998-05-18), pages 2502-2506, XP010288120, ISBN: 0-7803-4320-4.	
	DD	KINUGAWA, Y. et al.: "Frequency and Time Division Multiple Access with Demand-Assignment Using Multicarrier Modulation for Indoor Wireless Communications Systems", IEICE Transactions on Communications, Institute of Electronics Information and Comm. Eng. Tokyo, Japan, vol. E77-B, NR. 3, March 1994, pages 396-402, XP000451014, ISSN: 0916-8516.	

**Examiner
Signature**

9 Cortes

Date Considered

2/10/17

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Form PTO-1449 (Modified)				Atty Docket No.: 005158.P007X		Serial No.: 09/837,701	
List of Patents and Publications Statement (Use several sheets if necessary)				Applicants: Li et al.			
Filing Date: April 17, 2001							
<div style="display: flex; justify-content: space-between;"> REFERENCE DESIGNATION U.S. PATENT DOCUMENTS </div>							
Exam. Initial		Date	Document Number	Name	Class	Sub- Class	Filing Date
JS		05/23/00	6,067,290	Paulraj et al.	370	329	07/30/99
		05/16/00	6,064,694	Clark et al.	375	224	09/30/97
		05/16/00	6,064,692	Chow	375	219	06/20/97
		04/18/00	6,052,594	Chuang et al.	455	450	04/30/97
		03/21/00	6,041,237	Farsakh	455	450	04/02/98
		12/21/99	6,005,876	Cimini, Jr. et al.	370	525	09/24/96
		10/26/99	5,973,642	Li et al.	342	378	04/01/98
		09/21/99	5,956,642	Larsson et al.	455	449	11/25/96
FOREIGN PATENT DOCUMENTS							
No.		Document No.	Date	Country	Name	Class	Sub- Class
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)							
JS		BENDER et al., CDMA/HDR: A Bandwidth-Efficient High-Speed Wireless Data Service for Nomadic Users, IEEE Communications Magazine, July 2000, pp. 70-87.					
		TSOULOS, G.V., Smart Antennas For Mobile Communication Systems: Benefits And Challenges, Electronics & Communication Engineering Journal, April 1999, pp. 84-94.					
		SHAD et al., Indoor SDMA Capacity Using a Smart Antenna Basestation, 1997 IEEE, pp. 868-872.					
		FARSAKH, CHRISTOF and NOSSEK, JOSEF A., On the Mobile Radio Capacity Increase Through SDMA, no date (after 1997).					
		FRULLONE et al., PRMA Performance in Cellular Environments with Self-Adaptive Channel Allocation Strategies, IEEE Transactions on Vehicular Technology, November 1996, pp.657-665 Vol. 45, No. 4.					
		XU, GUANGHAN and LI, SAN-QI, Throughput Multiplication of Wireless Lans for Multimedia Services: SDMA Protocol Design, 1994 IEEE, pp. 1326-1332. NO MONTH LISTED					
		WARD, JAMES and COMPTON, R. TED, JR., High Throughput Slotted ALOHA Packet Radio Networks with Adaptive Arrays, IEEE Transactions on Communications, March 1993, pp. 460-470, Vol. 41, No. 3.					
Examiner <i>J. Cortes</i>				Date Considered <i>1/26/01</i>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant							

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PTO/SB/08A (10-01)

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U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/837,701
				Filing Date	April 17, 2001
				First Named Inventor	Xiaodong Li
				Art Unit	2686
				Examiner Name	Joy Contee
Sheet	1	of	1	Attorney Docket Number	68144/P014CP1/10502151

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
	BA	DE 198 00 953	July 29, 1999	Siemens AG		

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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Wong et al. "Multiuser OFDM with Adaptive Subcarrier, Bit, and Power Allocation", IEEE Journal on Selected Areas in Communications. IEEE, New York, US, 1999, Vol. 17, NR. 10, pp. 1747-1758 NO MONTH LISTED	
	CB	Mexican Office Action issued for PA/a/2003/005311 dated March 31, 2006.	

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